



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/659,004

DATE: 09/24/2004
TIME: 13:45:32

Input Set : A:\CURA-908.app
Output Set: N:\CRF4\09242004\J659004.raw

2 <110> APPLICANT: Zhong et al.
4 <120> TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND
METHODS OF USE
7 <130> FILE REFERENCE: 21402-608
9 <140> CURRENT APPLICATION NUMBER: 10/659004
10 <141> CURRENT FILING DATE: 2003-09-09
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257 <170> SOFTWARE: CuraSeqList version 0.1
259 <210> SEQ ID NO: 1
260 <211> LENGTH: 2383
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens
264 <220> FEATURE:
265 <221> NAME/KEY: CDS
266 <222> LOCATION: (17)..(2383)
268 <400> SEQUENCE: 1
269 caccaagctt cccacc atg cgg ctg ctg ctg gcc ctg ttg ggg gtc ctg ctg 52
270 Met Arg Leu Leu Leu Ala Leu Leu Gly Val Leu Leu
271 1 5 10
273 agt gtg cct ggg cct cca gtc tcg tcc ctg gag gcc tct gag gaa gtg 100
274 Ser Val Pro Gly Pro Pro Val Ser Ser Leu Glu Ala Ser Glu Glu Val
275 15 20 25
277 gag ctt gag ccc tgc ctg gct ccc agc ctg gag cag caa gag cag gag 148
278 Glu Leu Glu Pro Cys Leu Ala Pro Ser Leu Glu Gln Gln Glu Gln
279 30 35 40
281 ctg aca gta gcc ctt ggg cag cct gtg cgg ctg tgc tgt ggg cgg gct 196
282 Leu Thr Val Ala Leu Gly Gln Pro Val Arg Leu Cys Cys Gly Arg Ala
283 45 50 55 60
285 gag cgt ggt ggc cac tgg tac aag gag ggc agt cgc ctg gca cct gct 244

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286 Glu Arg Gly Gly His Trp Tyr Lys Glu Gly Ser Arg Leu Ala Pro Ala
287                               65                               70                               75
289 ggc cgt gta cgg ggc tgg agg ggc cgc cta gag att gcc agc ttc cta 292
290 Gly Arg Val Arg Gly Trp Arg Gly Arg Leu Glu Ile Ala Ser Phe Leu
291                               80                               85                               90
293 cct gag gat gct ggc cgc tac ctc tgc ccg gca cga ggc tcc atg atc 340
294 Pro Glu Asp Ala Gly Arg Tyr Leu Cys Pro Ala Arg Gly Ser Met Ile
295                               95                               100                               105
297 gtc ctg cag aat ctc acc ttg att aca ggt gac tcc ttg acc tcc agc 388
298 Val Leu Gln Asn Leu Thr Leu Ile Thr Gly Asp Ser Leu Thr Ser Ser
299                               110                               115                               120
301 aac gat gat gag gac ccc gag tcc cat agg gac ctc tcg aat agg cac 436
302 Asn Asp Asp Glu Asp Pro Glu Ser His Arg Asp Leu Ser Asn Arg His
303 125                               130                               135                               140
305 agt tac ccc cag caa gca ccc tac tgg aca cac ccc cag cgc atg gag 484
306 Ser Tyr Pro Gln Gln Ala Pro Tyr Trp Thr His Pro Gln Arg Met Glu
307                               145                               150                               155
309 aag aaa ctg cat gca gta cct gcg ggg aac acc gtc aag ttc cgc tgt 532
310 Lys Lys Leu His Ala Val Pro Ala Gly Asn Thr Val Lys Phe Arg Cys
311                               160                               165                               170
313 cca gct gca ggc aac ccc acg ccc acc atc cgc tgg ctt aag gat gga 580
314 Pro Ala Ala Gly Asn Pro Thr Pro Thr Ile Arg Trp Leu Lys Asp Gly
315                               175                               180                               185
317 cag gcc ttt cat ggg gag aac cgc att gga ggc att cgg ctg cgc cat 628
318 Gln Ala Phe His Gly Glu Asn Arg Ile Gly Gly Ile Arg Leu Arg His
319                               190                               195                               200
321 cag cac tgg agt ctc gtg atg gag agc gtg gtg ccc tcg gac cgc ggc 676
322 Gln His Trp Ser Leu Val Met Glu Ser Val Val Pro Ser Asp Arg Gly
323 205                               210                               215                               220
325 aca tac acc tgc ctg gta gag aac gct gtg ggc agc atc cgt tat aac 724
326 Thr Tyr Thr Cys Leu Val Glu Asn Ala Val Gly Ser Ile Arg Tyr Asn
327                               225                               230                               235
329 tac ctg cta gat gtg ctg gag cgg tcc ccg cac cgg ccc atc ctg cag 772
330 Tyr Leu Leu Asp Val Leu Glu Arg Ser Pro His Arg Pro Ile Leu Gln
331                               240                               245                               250
333 gcc ggg ctc ccg gcc aac acc aca gcc gtg gtg ggc agc gac gtg gag 820
334 Ala Gly Leu Pro Ala Asn Thr Thr Ala Val Val Gly Ser Asp Val Glu
335                               255                               260                               265
337 ctg ctg tgc aag gtg tac agc gat gcc cag ccc cac atc cag tgg ctg 868
338 Leu Leu Cys Lys Val Tyr Ser Asp Ala Gln Pro His Ile Gln Trp Leu
339                               270                               275                               280
341 aag cac atc gtc atc aac ggc agc agc ttc gga gcc gac ggt ttc ccc 916
342 Lys His Ile Val Ile Asn Gly Ser Ser Phe Gly Ala Asp Gly Phe Pro
343 285                               290                               295                               300
345 tat gtg caa gtc cta aag act gca gac atc aat agc tca gag gtg gag 964
346 Tyr Val Gln Val Leu Lys Thr Ala Asp Ile Asn Ser Ser Glu Val Glu
347                               305                               310                               315
349 gtc ctg tac ctg cgg aac gtg tca gcc gag gac gca ggc gag tac acc 1012
350 Val Leu Tyr Leu Arg Asn Val Ser Ala Glu Asp Ala Gly Glu Tyr Thr

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:39; N Pos. 78,113,236,771,822,863,873,1262,1280,1286,1295,1442,1625
Seq#:39; N Pos. 1626,1628,1775,2168,2255
Seq#:40; Xaa Pos. 20,21,33,74,102,131,136,252,269,283,286,297,416,422,424
Seq#:40; Xaa Pos. 427,476,537,586,665,717,746
Seq#:75; N Pos. 24,25,58,70,172,282,306,337,445,517
Seq#:76; Xaa Pos. 17,21,92,110,146
Seq#:81; Xaa Pos. 346
Seq#:82; Xaa Pos. 346
Seq#:95; N Pos. 38,53,169,308,394
Seq#:96; Xaa Pos. 7,12,51,97,126
Seq#:113; N Pos. 160
Seq#:114; Xaa Pos. 15

VERIFICATION SUMMARY

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L:7310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:60
M:341 Repeated in SeqNo=39
L:7469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:16
M:341 Repeated in SeqNo=40
L:10417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
M:341 Repeated in SeqNo=75
L:10463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:16
M:341 Repeated in SeqNo=76
L:11522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:336
L:11809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:336
L:12543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:0
M:341 Repeated in SeqNo=95
L:12585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:0
M:341 Repeated in SeqNo=96
L:14957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:120
L:15025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:0